

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: GRAUMANN

Application No.: 10/603,349

Filing Date: June 25, 2003

For: METHOD AND APPARATUS FOR
ADAPTIVELY PRE-SHAPING
AUDIO SIGNAL TO
ACCOMMODATE LOUDSPEAKER
CHARACTERISTICS

) Group Art Unit: Not yet assigned
)
)
)
)
**INFORMATION DISCLOSURE
STATEMENT**
)
)
)
)
)
)
)
)
)
)
)
)
)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant submits herewith patents, publications or other information of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a thorough search has been made, an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists. Nor shall the filing of this information disclosure statement be construed as an admission against interest in any manner.

This Information Disclosure Statement is filed in accordance with 37 CFR §§1.56, 1.97 and 1.98. The items listed on the accompanying Form PTO-1449 may be deemed to be pertinent to the above-identified application and are made of record to assist the Patent and Trademark Office in its examination of this application. The Examiner is respectfully requested to fully consider the items listed on the enclosed copy of Form PTO-1449 and to independently ascertain their teaching.

No fee is believed to be due under 37 CFR §1.17(p) for this Information Disclosure Statement since it is being filed within three months of the filing of the above-identified application.

Respectfully submitted,

August 7, 2003

Date



Nathaniel Levin
Registration No. 34,860
Buckley, Maschoff, Talwalkar & Allison LLC
5 Elm Street
New Canaan, CT 06840
(203) 972-3460



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

1

Complete if Known	
Application Number	10/603,349
Filing Date	June 25, 2003
First Named Inventor	GRAUMANN
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	P16485

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A	Knapp, C.H. and Carter, G.C., "The Generalized Correlation Method for Estimation of Time Delay", IEEE Trans. Acoust. Speech Signal Process, Vol. ASSP-24, pp. 320-327, Aug. 1976.	
	B	W. Frank, "An efficient approximation to the quadratic Volterra filter and its application in real-time loudspeaker linearization", Signal Processing, Vol. 45, No. 1, pp. 97-113, 1995.	
	C	Franklin X.Y. Gao and W. Martin Snelgrove, "Adaptive Linearization of A Loudspeaker", Proc. Int. Conf. Acoust., Speech, Signal Processing, Toronto, pp. 3589-3592, May 1991.	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.